

SYSTEM AND METHOD FOR INSERTING VIDEO AND AUDIO
PACKETS INTO A VIDEO TRANSPORT STREAM

ABSTRACT OF THE DISCLOSURE

5 There is disclosed an apparatus for inserting new data packets
into an incoming digital video transport stream containing a
plurality of original data packets. The apparatus comprises: 1) an
input buffer for storing the original data packets of the incoming
digital video stream; and 2) a video processor that retrieves the
stored original data packets from the input buffer and determines
from the original data packets N data frequencies associated with N
most recently received ones of the plurality of original data
packets. The video processor estimates from the N data frequencies
an estimated data frequency of a plurality of next incoming
15 original data packets and uses the estimated data frequency to
determine an insertion rate at which the new data packets may be
inserted into the plurality of next incoming original data packets.